

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:			
Fuyong Zhao		)	Confirmation No.: 5579
Serial No.: 10/665,190		)	Examiner: NYA
		)	Group Art Unit No.: 2661
Filed on: September 16	, 2003	) :	
<del>-</del>	ETHOD FOR DISCOVE UALITY OF SERVICE I		
Commissioner for Patent P.O. Box 1450 Alexandria, VA 22313-1			
<u>Ī</u>	INFORMATION DISCL	OSURE STATE	<u>MENT</u>
Sir:			
Enclosed is a cop	y of Information Disclos	ure Citation Form	m PTO-1449 together with
copies of the documents	cited on that form. It is r	respectfully requ	ested that the cited documents
be considered and that th	e enclosed Information I	Disclosure Citatio	on Form PTO-1449 be initialed
by the Examiner to indic	ate such consideration an	nd a copy thereof	returned to applicant(s).
Pursuant to 37 C.	F.R. § 1.97, the submissi	ion of this Inform	nation Disclosure Statement is
not to be construed as a r	epresentation that a searc	ch has been made	e and is not to be construed as
an admission that the info	ormation cited in this stat	tement is materia	l to patentability.
Pursuant to 37 C.	F.R. § 1.97, this Informa	tion Disclosure S	Statement is being submitted
under one of the followir	ng (as indicated by an "X	" to the left of th	e appropriate paragraph):
_X 37 C.F.	R. §1.97(b).		
	R. §1.97(c). If so, then the following:	this Information l	Disclosure Statement includes
	A statement pursuar	nt to 37 C.F.R. §	1.97(e)
	information contained	d in this information	reby states that each item of on disclosure statement was first patent office in a counterpart

	foreign application not more than three months prior to the filing of this information disclosure statement.
	1.97(e)(2) The undersigned hereby states that no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.
_	A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).
	C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes e following:
	A statement pursuant to 37 C.F.R. §1.97(e)
	1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement; OR
	1.97(e)(2) The undersigned hereby states that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.
	AND
	A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.
	C.F.R. §1.97(i). Wherein applicants are submitting references before the ant of a patent to be placed in the file but not considered by the Patent office.
(1	Accordingly, copies of the references as listed on the attached Form PTO 1449 are submitted herewith for placement in the file. No certification or fees are deemed necessary.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302. A duplicate of this sheet is enclosed.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: February 2, 2004

Christian A. Nicholes Reg. No. 50,266

1600 Willow Street

San Jose, California 95125-5106

Telephone: (408) 414-1080 Facsimile: (408) 414-1076

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February . 2003
(Date of Deposit)

Jennifer Newell

(Typed or printed name of person mailing correspondence)

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Substitute for Form 1449A/PTO (Mod	diffed)
(use as many sheets as necessary)	FEB 0 5 2004 8
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Attorney Docket No.: **Application Number:** 50325-0803 10/655,190

First Named Inventor:

Fuyong Zhao

Filing Date:

		September 16, 2003	
		OTHER ART – NO PATENT LITERATURE DOCUMENTS	
Examiner Initials*			Translation <sup>2</sup>
		S. Murphy, et al., "OSPF with Digital Signature," June 1997, Network Working Group, Request for Comments: 2154, <a href="http://www.ietf.org/rfc/rfc2154.txt?number=2154">http://www.ietf.org/rfc/rfc2154.txt?number=2154</a> , data retrieved 12/8/03, pp. 1-28.	
		David L. Mills, "Network Time Protocol (Version 3), Specification, Implementation and Analysis," March 1992, Network Working Group, Request for Comments: 1305, <a href="http://www.ietf.org/rfc/rfc1305.txt?number=1305">http://www.ietf.org/rfc/rfc1305.txt?number=1305</a> , data retrieved 12/8/03, pp. 1-107.	
		Y. Rekhter, et al., "A Border Gateway Protocol 4 (BGP-4)," March 1995, Network Working Group, Request for Comments: 1771, <a href="http://www.ietf.org/rfc/rfc1771.txt?number=1771">http://www.ietf.org/rfc/rfc1771.txt?number=1771</a> , data retrieved 6/5/03, pp. 1-54.	
		Gianni Di Caro, et al., "AntNet: Distributed Stigmergetic Control for Communications Networks," Journal of Artifical Intelligence Research 9, submitted 5/98, published 12/98, pp. 317-365.	
		Marco Dorigo, et al., "The Ant System: Optimization by a colony of cooperating agents," IEEE Transactions on Systems, Man, and Cybernetics-Part B, Vol. 26, No. 1, 1996, pp. 1-26.	
		Ruud Schoonderwoerd, et al., "Ant-Based load balancing in telecommunications networks," undated, pp. 1-26.	
		Felix Cho Zhao, Cisco Systems, Inc., "ANTD: An Adaptive, Deterministic Ant Routing Algorithm," 2003, Document Number: EDCS-255496, pp. 1-38.	
		Eric Bonabeau, et al., "Swarm Smarts," Scientific American, March 2000, pp. 72-79.	
		Dimitri Bertsekas, et al., "Data Networks," Prentic Hall, 1992, pp. 365-369 and 393-400.	

Examiner	Date Considered	
Signature		

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

		m 1449A/PTO (Modifice) O Sheets as necessary)	Attorney Docket No.: 50325-0803  First Named Inventor: Fuyong Zhao	<b>Application N</b> 10/655,190	lumber:
		TO ANT TO ANT THE PARTY OF THE	Filing Date: September 16, 2003		
		OTHER ART – NO PATENT	LITERATURE DOCUMENTS		
Examiner Initials* Cite No <sup>1</sup> Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			Translation <sup>2</sup>		
		Andrew S. Tanenbaum, "Computer 1996, pp. 345-365.	Networks," Second Edition, Pre	entice Hall,	
		Malvin H. Kalos, et al., "Monte Care pp. 1-3 and 129-140.	ol Methods, Volume I: Basics,"	1986,	
-		Richard Bellman, "Dynamic Program Princeton, NJ, 1957, 362 pages.	nming," Princeton University F	ress,	
		C. Hedrick, "Routing Information Programs, Request for Comments: 1058 <a href="http://www.ietf.org/rfc/rfc1058.txt?repp.1-31">http://www.ietf.org/rfc/rfc1058.txt?repp.1-31</a> .	3,		
		J. Moy, "OSPF Version 2," July 199 Comments: 1247, http://www.ietf.or retrieved 1/14/04, pp. 1-76.			
		Bruce Davie, et al., "MPLS Technol Publishers, 2000, 301 pages.			
		E. Crawley, et al., "A Framework for August 1998, Network Working Growthtp://www.ietf.org/rfc/rfc2386.txt?rpp. 1-35.	oup, Request for Comments: 23	86,	
		G. Apostolopoulus, et al., "QoS Rou August 1999, Network Working Gro http://www.ietf.org/rfc/rfc2676.txt?r	oup, Request for Comments: 26	76,	

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Signature		

J. Moy, "OSPF Version 2," July 1997, Network Working Group, Request for Comments: 2178, http://www.ietf.org/rfc/rfc2178.txt?number=2178, data

retrieved 12/8/2003, pp. 1-197.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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1		n 1449A/PTO (Modified) heets as necessary) FEB 0 5 2004	Attorney Docket No.: 50325-0803	<b>Application N</b> 10/655,190	umber:
	·		First Named Inventor: Fuyong Zhao		
		2 TO ADTO	Filing Date:	<del></del>	
			September 16, 2003		
		OTHER ART – NO PATENT	LITERATURE DOCUMENTS		
Examiner Initials*	Cite No <sup>1</sup>				Translation <sup>2</sup>
		Shigang Chen, et al., "Distributed Q	uality of Service Routing in Hig	h-Speed	
		Networks Based on Selective Routin	ng," IEEE, 1998, pp. 80-89.		
		Kang G. Shin, et al., "Distributed Ro	oute Selection for Establishing F	Real-Time	·
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	Hussein F. Salama, et al., "A Distributed Algorithm for Delay-Constrained				
		Unicast Routing," IEEE, 1997, 8 pag	ges.		
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		Generation High Speed Networks: P	roblems and Solutions," pp. 1-1	9.	
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Examiner	Date Considered	
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